



STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, N.W., Suite 600  
Washington, D.C. 20005-3934

Attorney Docket No. 15-4-499.00

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: Shinya Matsuoka

For: **Spatialized Audio in a Three-Dimensional, Computer-Based Scene**

Enclosed are:

- 18 sheets of informal drawings.
- An assignment of the invention to Silicon Graphics, Inc.
- Form PTO-1595.
- A certified copy of a \_\_\_\_\_ application.
- An associate power of attorney.
- A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- Executed Power of Attorney from Assignee
- Executed Declaration for Patent Application.

The filing fee has been calculated as shown below:

(Col. 1)	(Col. 2)
FOR	NO. FILED
BASIC FEE	
TOTAL CLAIMS	25 -20 = * 5
INDEP. CLAIMS	3 -3 = * 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED	

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY		OTHER THAN A SMALL ENTITY	
RATE	FEE	RATE	FEE
	\$ 385.00		\$ 770.00
x 11 =		x 22 =	110.00
x 40 =		x 80=	
+ 130 =		+ 260 =	
TOTAL		TOTAL	\$ 880.00

- Please charge my Deposit Account No. 19-0036 in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is attached.
- A check in the amount of \$880.00 to cover: \$770.00 Application Filing Fee; \$110.00 Excess Claim Fees is enclosed.
- The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 19-0036. A duplicate copy of this sheet is attached.
  - Any additional filing fees required under 37 CFR 1.16.
  - Any patent application processing fees under 37 CFR 1.17.
- The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 19-0036. A duplicate copy of this sheet is enclosed.
  - Any patent application processing fees under 37 CFR 1.17
  - The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
  - Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

Michael B. Ray  
Registration No. 33,997

4/30/97

(Date)



STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

ATTORNEYS AT LAW

SUITE 600

1100 NEW YORK AVENUE, N.W.  
WASHINGTON, D.C. 20005-3934

(202) 371-2600

FACSIMILE: (202) 371-2540

ROBERT GREENE STERNE  
EDWARD J. KESSLER  
JORGE A. GOLDSTEIN  
SAMUEL L. FOX  
DAVID K.S. CORNWELL  
ROBERT W. EDMOND  
TRACY-GENE G. DURKIN  
MICHELE A. Cimbala  
MICHAEL B. RAY  
ROBERT E. SOKOHL  
ERIC K. STEFFE  
ANDREA G. REISTER

DANIEL N. YANNUZZI  
WILLIAM C. ALLISON V  
MICHAEL Q. LEE  
G. KEVIN TOWNSEND\*  
JOHN M. COVERT\*  
ANNE BROWN  
LINDA E. ALCORN  
RAZ E. FLESHNER  
ROBERT C. MILLONIG  
STEVEN R. LUDWIG  
MICHAEL V. MESSINGER  
LORI L. KERBER\*

JUDITH U. KIM\*  
KEITH KIND\*  
TIMOTHY J. SHEA, JR.\*  
DONALD R. MCPHAIL  
PATRICK E. GARRETT\*  
NAREN R. THAPPETA\*  
JEFFREY W. RENNECKER  
BARBARA A. PARVIS  
MICHAEL A. RAHMAN\*  
STEPHEN G. WHITESIDE\*  
NOEL B. WHITLEY\*

DONALD J. FEATHERSTONE\*\*  
LAWRENCE B. BUGAISKY\*\*  
KAREN R. MARKOWICZ\*\*  
KIMBERLIN M. TOOHEY\*\*

\*BAR OTHER THAN D.C.

\*\*REGISTERED PATENT AGENTS

WRITER'S DIRECT NUMBER:

(202) 371-2569

INTERNET ADDRESS:

[mray@skgf.com](mailto:mray@skgf.com)

April 30, 1997

***Box Patent Application***

Assistant Commissioner for Patents  
Washington, D.C. 20231

Re: U.S. Utility Patent Application  
Appl. No.: (to be assigned); Filed: (Herewith)  
For: **Spatialized Audio in a Three-Dimensional, Computer-Based Scene**  
Inventors: Shinya Matsuoka  
Our Ref: 15-4-499.00

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. U.S. Utility Patent Application entitled:

**Spatialized Audio in a Three-Dimensional, Computer-Based Scene**

and naming as inventor:

**Shinya Matsuoka**

Assistant Commissioner for Patents  
April 30, 1997  
Page 2

the application comprising:

- a. A specification containing:
  - (i) 27 pages of description prior to the claims;
  - (ii) 9 pages of claims (25 claims, 3 independent); and
  - (iii) a one (1) page abstract;
- b. 18 sheets of drawings: (Figures 1-4, 5A, 5B, 6-8, 9A, 9B, 10-16);
- c. A copy of an original executed combined Declaration and Power of Attorney;

2. Form PTO-1082;
3. Three (3) return post cards; and
4. Our Check No. 19126 for \$880.00 to cover:  
\$770.00 Filing fee for patent application;  
\$110.00 Excess Claim fees.

It is respectfully requested that, of the three attached post cards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcards, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael B. Ray  
Attorney for Applicant  
Registration No. 33,997

MBR/CDS/tp  
Enclosures